

## Monthly Weather Summary in Thailand December 2007

The continuation of high pressure area from China which extended to cover upper Thailand caused cool weather in most areas of Thailand and cold weather mainly in upper portion of northern part. In the mountainous areas and mountaintop the weather was cold and very cold, particularly during early and end of December that high pressure area cover upper Thailand was rather active. However, there was a period of temperature increase, mid December, that high pressure area over upper Thailand was weak and extended eastward to cover the South China Sea. The rather active northeast monsoon prevailed over southern part and the Gulf of Thailand almost this month causing scanty rainfall in upper Thailand, and plentiful rainfall in southern Thailand during early and mid December after that rainfall relatively decreased both amount and distribution. Monthly rainfall was below normal in general i.e. northern part 7.9 mm (98%), northeastern part 3.5 mm (100%), central 3.7 mm (70%), eastern 7.5 mm (99%) and southern part (east coast) 93.3 mm (41%) and southern part (west coast) 3.6 mm (6%). Mean temperatures of December were 1-2 Celsius above normal in general.

**1 – 10 December:** Upper Thailand experienced generally cool weather and cold weather was found in some areas during early period. However, cold weather was reported over the whole period in the upper portion of northern part where 9.1 °C was recorded at Amphoe Umphang in Tak province on December 1. Upper northern region in particular mountaintop experienced very cold weather with the lowest temperature, 1.5 °C at Doi Inthanon, Amphoe Chom Thong in Chiang Mai province on December 1 and frost at Doi Angkhang, Amphoe Fang in Chiang Mai province on December 1 and 2 and at Doi Inthanon, Amphoe Chom Thong in Chiang Mai province on December 1, 2 and 3. Southern Thailand experienced isolated rainfall during the first half of the period after that rainfall was generally increased both amount and distribution with isolated heavy to very heavy rainfall along the east coast. The heaviest daily rainfall of 211.0 mm was measured at Srisakorn Self-Help Settlement Amphoe Srisakorn in Narathiwat province on December 7 and floods were reported at Narathiwat and Pattani provinces on December 9.

**11 – 20 December:** Cool weather was measured in several areas of upper Thailand but cold and very cold weather were limited to the upper portion of northern region and mountainous areas mainly in the first half of the period. During the second half of the period, temperature became increase in general. The lowest minimum temperature was 11.0 °C at Agrometeorological Station in Nan province on December 15 and temperature in the area of mountaintop climbed down to 1.0 °C with the occurrence of frost at Doi Angkhang, Amphoe Fang in Chiang Mai province on December 13. Upper Thailand experienced unseasonable rainfall for few days around mid-period. In southern Thailand, cool weather was reported in several areas of the upper portion while scattered to almost widespread rain was found in the lower portion with isolated heavy to very heavy rainfall along the east coast. The heaviest daily rainfall was 300.3 mm at Than To Self-Help Settlement Amphoe Than To in Yala province on December 16. Flood and land-slide were reported at Yala province on December 17.

**21 – 31 December:** The weather was relatively cooler in major area of Thailand. The minimum temperature of the period was 9.5 °C, at Agrometeorological Station in Nan province on December 24 but that of the mountaintop shifted upward to 3.5 °C at Angkhang, Amphoe Fang in Chiang Mai province on December 25 and 26. During this period, there was unexpectedly slight isolated rain in northeastern part on December 23 while there was rain in some areas of southern Thailand almost everyday, especially on December 31 that almost widespread rain and scattered heavy to very heavy rainfall were recorded with maximum rainfall of 97.5 mm at Amphoe Chaiya in Surat Thani province.

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**Note :** Rainfall, temperatures and natural disasters in this report was updated up to January 3, 2008.

Climatological Group  
Meteorological Development Bureau  
Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
December 2007

Northern Thailand

Station	Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Chiang Rai	21.6	1.8	0.0	-18.5	2041.7	339.5
Mae Hong Son	22.2	0.0	0.0	-14.3	1207.2	-75.1
Phayao	22.0	1.5	0.0	-11.5	1138.4	42.5
Chiang Mai	22.9	1.1	0.0	-18.1	1125.3	-8.7
Tha Wang Pha	22.4	1.7	0.0	-9.3	1215.0	-181.3
Nan	23.4	1.7	0.0	-6.8	1096.3	-141.0
Lamphun	22.8	1.0	0.0	-7.2	890.2	-72.2
Lampang	23.8	1.7	0.0	-7.6	1101.2	41.2
Mae Sariang	23.6	1.0	0.0	-8.8	1287.5	147.8
Phrae	24.3	1.7	0.0	-7.0	1046.1	-35.8
Uttaradit	26.3	2.0	0.0	-4.1	1083.8	-326.5
Bhumibol Dam	24.9	1.5	0.0	-7.2	1150.8	114.9
Tak	25.5	2.2	0.0	-5.2	1203.1	149.3
Mae Sot	24.2	1.6	0.0	-4.2	1595.7	200.4
Umphang	22.3	1.7	0.0	-3.2	1334.1	-93.4
Phitsanulok	26.2	1.6	3.2	-3.4	1642.4	306.8
Lom Sak	25.2	1.5	0.0	-4.5	1149.6	105.3
Phetchabun	26.0	2.2	0.0	-6.6	1179.6	100.5
Wichian Buri	26.6	2.4	0.0	-4.9	1138.6	-65.6
Kamphaeng Phet	26.3	2.0	0.0	-5.6	1426.5	146.2
Over the area	24.1	1.6	0.2	-7.9 -98%	1252.7	34.8 3%

Northeastern Thailand

Station	Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Nong Khai	25.1	2.7	0.0	-5.0	1404.8	-134.5
Loei	23.6	2.0	0.0	-5.5	1270.7	33.2
Udon Thani	24.5	2.0	0.0	-5.0	1159.9	-230.9
Nakhon Phanom	24.6	2.5	0.0	-4.8	2308.4	52.6
Sakon Nakhon	24.5	2.6	0.0	-6.3	1823.4	223.5
Mukdahan	25.1	2.8	0.0	-2.7	1300.3	-206.8
Khon Kaen	25.7	2.4	0.0	-5.1	1378.9	169.6
Kosum Phisai	25.6	2.6	0.0	-4.4	1554.8	336.2
Roi Et	25.3	2.4	0.0	-2.1	1523.2	177.9
Chaiyaphum	26.1	2.3	0.0	-5.3	1342.9	224.9
Ubon Ratchathani	26.4	2.6	0.0	-1.3	2035.5	454.1
Tha Tum	25.9	2.5	0.0	-0.9	1258.6	-131.3
Surin	26.1	2.3	0.0	-1.0	1522.4	170.8
Nakhon Ratchasima	25.9	2.6	0.0	-3.0	1177.7	143.0
Chok Chai	25.6	2.6	0.0	-1.8	1193.9	97.3
Nang Rong	25.6	2.2	0.0	-2.3	1417.5	229.3
Over the area	25.4	2.5	0.0	-3.5 -100%	1479.6	100.6 7%

- NOTES :
- 1) Input data are received via ssb radio each day. They have not been certified yet, so this current report has to be checked with monthly weather reports later.
  - 2) Mean temperature is the average of daily maximum and daily minimum
  - 3) "T" is trace, rainfall amount less than 0.1 mm.
  - 4) "blank" is incomplete data.

Monthly Current Report  
Rainfall and Accumulative Rainfall  
December 2007

Central Thailand

Station	Temperature ( °c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Nakhon Sawan	26.9	2.1	0.0	-4.9	1185.6	108.2
Bua Chum	26.1	2.1	0.0	-2.9	1177.9	92.7
Lop Buri	28.1	2.3	0.0	-4.4	900.9	-222.9
Suphan Buri	27.2	2.1	14.5	5.2	782.0	-277.9
Thong Pha Phum	26.2	2.5	0.0	-2.9	1854.5	91.0
Kanchanaburi	27.3	2.2	0.0	-6.2	1091.7	36.4
Bangkok Airport	28.7	2.6	0.0	-7.5	1543.4	311.5
Bangkok Metropolis Pilot Station	29.4	3.1	0.0	-5.0	1684.2	141.0
	27.5	1.1	0.0	-4.9	826.5	-173.5
Over the area	27.5	2.3	1.6	-3.7 -70%	1227.4	11.8 1%

Eastern Thailand

Station	Temperature ( °c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Prachin Buri	28.1	2.2	0.0	-6.9	1908.7	30.4
Kabin Buri	27.3	1.7	0.0	-5.3	1176.4	-475.2
Aranyaprathet	27.1	1.8	0.0	-3.8	1370.8	-5.8
Chon Buri	28.2	1.6	0.0	-4.7	1254.3	-44.5
Ko Sichang	27.2	1.2	0.0	-7.5	983.6	-270.6
Pattaya	27.7	1.7	0.8	-5.6	882.0	-241.8
Sattahip	27.2	1.1	0.0	-8.6	1270.5	-15.5
Rayong	27.0	0.6	0.0	-4.6	1366.4	-34.9
Chanthaburi	27.8	1.6	0.0	-8.2	3435.1	583.0
Khlong Yai	27.7	1.1	0.1	-20.1	4860.9	123.8
Over the area	27.5	1.5	0.1	-7.5 -99%	1850.9	-35.1 -2%

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Southern Thailand, east coast

Station	Temperature ( °c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Phetchaburi	27.1	1.5	0.0	-11.1	1113.4	126.0
Hua Hin	26.7	1.1	0.3	-12.1	1239.9	274.2
Prachuap Khiri Khar	26.5	1.1	0.2	-22.0	1408.3	295.7
Chumphon	26.5	1.0	32.8	-65.9	2290.3	414.0
Surat Thani	26.6	0.8	76.7	-58.1	1518.8	-1.0
Ko Samui	26.6	0.2	141.6	-69.1	2345.1	399.2
Nakhon Si Thammarat	26.3	0.4	297.9	-117.9	2598.5	202.4
Songkhla	27.5	0.9	169.8	-250.5	1861.2	-133.7
Hat Yai Airport	26.5	0.5	276.4	7.0	1958.1	271.9
Pattani Airport	27.0	1.0	229.2	-134.9	1841.2	-2.2
Narathiwat	26.5	0.3	268.1	-291.5	2006.2	-479.0
Over the area	26.7	0.8	135.7	-93.3 -41%	1834.6	124.3 7%

Southern Thailand, west coast

Station	Temperature ( °c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Ranong	27.4	0.6	5.5	-30.1	4143.0	23.7
Takua Pa	27.6	0.7	40.6	-15.3	4044.7	406.1
Phuket	28.6	0.9	85.5	26.1	2397.3	126.1
Phuket Airport	27.6	0.7	28.7	-37.2	2952.2	455.4
Ko Lanta	27.5	0.2	43.3	-5.1	2329.4	145.9
Trang Airport	27.3	0.7	79.6	-30.8	2452.3	256.0
Satun	27.5	0.2	148.4	66.7	2300.3	20.6
Over the area	27.6	0.6	61.7	-3.6 -6%	2945.6	204.8 7%

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